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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/711,842

10/08/2004

Markus Reiter

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23470 7590 11/10/2008  
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EXAMINER

IRVIN, THOMAS W

ART UNIT

PAPER NUMBER

3657

NOTIFICATION DATE

DELIVERY MODE

11/10/2008

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

lserdyski@sram.com  
mm@sram.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/711,842	<b>Applicant(s)</b> REITER, MARKUS	
	<b>Examiner</b> THOMAS W. IRVIN	<b>Art Unit</b> 3657	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 July 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3,5 and 7-24 is/are pending in the application.
- 4a) Of the above claim(s) 10,11,13,14 and 17-23 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3,5,7-9,12,15,16 and 24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 5, 7-9, 12, 15, and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Kamada (6,340,338).

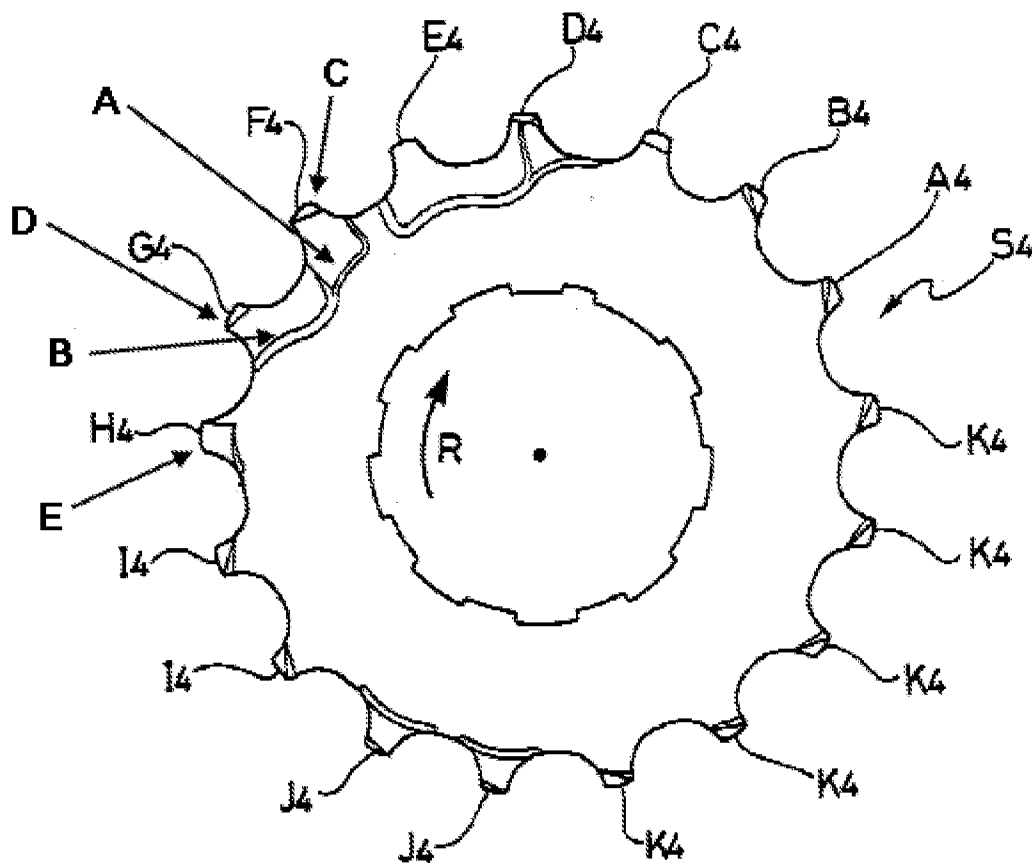


FIG. 12

In Re claim 1, with reference to Fig. 3, 13, 14, and 12 (above), Kamada discloses a chainwheel assembly including a plurality of chainwheels (s1-s7) engageable with a chain (23) having successive alternating pairs of inner link plates and outer link plates connected by pins, the pins surrounded by rollers, the chainwheel assembly comprising: at least one smaller chainwheel (s3) having a plurality of teeth spaced about its circumference; and at least one larger chainwheel (s4) having a greater number of teeth spaced about its circumference than the smaller chainwheel, the larger chainwheel and the smaller chainwheel oriented relative to each other such that a distance between a center of the chain roller positioned between a pair of adjacent teeth on the larger chainwheel and the center of the chain roller between a pair adjacent teeth on the smaller chainwheel is substantially an integer multiple of the chain pitch, at least a first tooth (f4) of the pair of adjacent teeth (F4,G4) on the larger chainwheel includes a first lateral recess (A) having a first run-on ramp (see fig. 14), at least a second tooth (G4) of the pair of adjacent teeth disposed adjacent to the first tooth opposite the drive rotation direction including a second lateral recess (B) with a run-on ramp (see fig. 14).

In Re claims 2 and 3, see fig. 14.

In Re claim 5, see third tooth (H4) which includes a run-out chamfer (E).

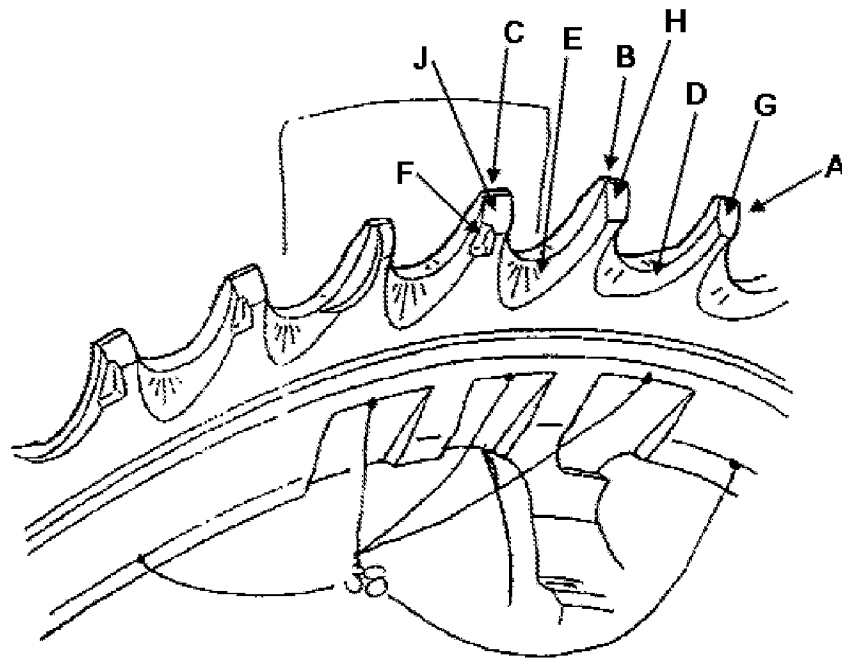
In Re claim 7, see fig. 14.

In Re claims 8, 9, and 12, see deflection chamfers (C,D) on the first and second tooth (F4,G4) in fig. 12 above.

In Re claim 15, see fig. 3.

In Re claim 16, see chamfers (C,D,E).

Claims 1-3, 5, 7, 8, 12, 15, 16, and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Yahata (2002/0086753).



**FIG. 5**

In Re claim 1, with reference to Fig. 5, above, Yahata discloses a chainwheel assembly including a plurality of chainwheels (see fig. 15) engageable with a chain (10), the chainwheel assembly comprising: at least one smaller chainwheel (50) having a plurality of teeth spaced about its circumference; and at least one larger chainwheel (40) having a greater number of teeth spaced about its circumference than the smaller chainwheel, at least a first tooth (A) of a pair of adjacent teeth (A,B,C) on the larger chainwheel includes a first lateral recess and run-on ramp (D), at least a second tooth (B) of the pair of adjacent teeth disposed adjacent to the first tooth opposite the drive rotation direction including a second lateral recess and run-on ramp (E).

In Re claims 2 and 3, see fig. 5.

In Re claim 5, see third tooth (C) which includes a run-out chamfer (F).

In Re claim 7, see fig. 5.

In Re claims 8 and 12, see deflection chamfers (G,H) on the first and second tooth (A,B) in fig. 5 above.

In Re claim 15, see fig. 11.

In Re claim 16, see chamfers (G,H,J).

In Re claim 24, the recesses are separate from each other.

### ***Response to Arguments***

Applicant's arguments filed July 28, 2008 have been fully considered but they are not persuasive.

In response to applicant's arguments that Kamada fails to disclose a "run-on ramp", the examiner points out that this feature is not defined in the claim, and therefore Kamada's recesses are understood to include run-on ramps as understood from the claim. Additionally, it is noted that although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). The examiner also points out that new claim 24 recites that the recesses are separate from each other, not claim 1.

The examiner suggests combining the claimed features along with additional definition of the recesses and space located between them.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to THOMAS W. IRVIN whose telephone number is (571)270-3095. The examiner can normally be reached on Mon-Fri 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Siconolfi can be reached on (571) 272-7124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3657

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thomas W. Irvin/  
Examiner, Art Unit 3657

/Robert A. Siconolfi/  
Supervisory Patent Examiner, Art  
Unit 3657